

Claims

- 1 1. A method for testing a software product, comprising the steps of:
 - 2 providing a predefined template;
 - 3 providing a table having test data for the software product;
 - 4 running a test generation system with the template to process the test data
 - 5 and to automatically generate a test script file; and
 - 6 running the software product while using the generated test script file to
 - 7 test the software product.
- 1 2. The method of claim 1, wherein the test script file contains at least one test case
- 2 generated based upon the test data and the template.
- 1 3. The method of claim 2, wherein the template is a type template having at least
- 2 one macro, and wherein the type template provides a key for the test generation
- 3 system to generate the at least one test case based upon the test data.
- 1 4. The method of claim 1, further comprising the step of providing an output
- 2 template, wherein the output template has at least one macro and dictates a format
- 3 of the generated test script file.
- 1 5. The method of claim 1, wherein the test data is arranged into at least one row of
- 2 potential test cases that each include an actor, a starting point, and a test step.

1 6. The method of claim 1, wherein the test script file is an executable file that is
2 automatically run by an automation tool.

1 7. The method of claim 1, wherein the test script file is a documentation file that
2 is manually run by a user.

1 8. The method of claim 1, wherein the test generation system and the software
2 product reside on different computer systems.

1 9. The method of claim 1, wherein the test generation system and the software
2 product reside on the same computer system

1 10. A method for testing a software product, comprising the steps of:
 2 providing a predefined template;
 3 providing a table having test data for the software product;
 4 running a test generation system with the template to process the test data
 5 and to automatically generate an executable test script file; and
 6 running the software product while using an automation tool to run the
 7 executable test script file to test the software product.

1 11. The method of claim 10, wherein the predefined template is a type template
 2 that provides a key for the test generation system to generate a test case from the
 3 test data.

1 12. The method of claim 10, wherein the type template includes at least one
 2 macro.

1 13. The method of claim 10, further comprising the step of providing an output
 2 template having at least one macro and that dictates the format of the generated
 3 test script file.

1 14. The method of claim 10, wherein the test data is arranged into at least one row
 2 of potential test cases that each include an actor, a starting point, and a test step.

- 1 15. The method of claim 10, wherein the test script file includes at least one test
- 2 case automatically generated by the test generation system based upon the test
- 3 data.

15. The method of claim 10, wherein the test script file includes at least one test case automatically generated by the test generation system based upon the test data.

1 16. A method for testing a software product, comprising the steps of:
2 entering a predefined type template into a test generation system;
3 entering a predefined output template into the test generation system;
4 entering a table having test data for the software product into the test
5 generation system;
6 running the test generation system with the type template and the output
7 template on a first computer system to process the test data to automatically
8 generate an executable test script file; and
9 running the software product on a second computer while using an
10 automation tool to run the executable test script file to test the software product.

1 17. A system testing a software product, comprising:
 2 an input system for receiving a type template, an output template, and a
 3 table having test data for the software product; and
 4 a process system for processing the test data to automatically generate a
 5 test script file based upon the type template and the output template, wherein the
 6 generated test script file is used to test the software product.

1 18. The system of claim 17, wherein the table comprises at least one row of
 2 potential test cases that each include an actor, a starting point, and a test step.

1 19. The system of claim 17, wherein the type template provides a key for
 2 generating the test script file based upon the test data, and wherein the tests script
 3 file includes at least one test case.

1 20. The system of claim 17, wherein the output template dictates a format of the
 2 test script file.

1 21. The system of claim 17, wherein the test script file is an executable test script
 2 file that is automatically run by an automation tool to test the software product.

1 22. The system of claim 17, wherein the test script file is a documentation file that
 2 is manually run by a user to test the software product.

- 1 23. A system for testing a software product, comprising:
 - 2 a test generation system stored on a first computer system, wherein the test
 - 3 generation system comprises:
 - 4 means for receiving an output template, a type template, and a
 - 5 table having test data for the software product;
 - 6 means for processing the test data, based upon the type template
 - 7 and the output template, to automatically generate an executable test script file
 - 8 having at least one test case;
 - 9 means for outputting the executable test script file; and
 - 10 an automation tool for running the executable test script file to test the
 - 11 software product, wherein the software product is stored on a second computer
 - 12 system.

1 24. A program product, stored on a recordable medium, for testing a software
2 product, comprising:
3 an input system for receiving a type template, an output template, and a
4 table having test data for the software product; and
5 a process system for processing the test data to automatically generate a
6 test script file based upon the type template and the output template, wherein the
7 generated test script file is used to test the software product.

1 25. The program product of claim 24, wherein the table comprises at least one
2 row of potential test cases that each include an actor, a starting point, and a test
3 step.

1 26. The program product of claim 24, wherein the type template provides a key
2 for generating the test script file based upon the test data, and wherein the tests
3 script file includes at least one test case.

1 27. The program product of claim 24, wherein the output template dictates a
2 format of the test script file.

1 28. The program product of claim 24, wherein the test script file is an executable
2 test script file that is automatically run by an automation tool to test the software
3 product.

- 1 29. The program product of claim 24, wherein the test script file is a
- 2 documentation file that is manually run by a user to test the software product.

TO THE PUBLIC